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OM protein - protein search, using sw model

Run on: January 13, 2006, 14:55:05 ; Search time 45 Seconds
(without alignments)
82.676 Million cell updates/sec

Title: US-10-010-709-1
Perfect score: 259
Sequence: 1 KSCCRSTLGRNCYNLCRVRG.....AGVCRCKLTSSGKCPFGPPK 45

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 572060 segs, 82675679 residues

Total number of hits satisfying chosen parameters: 572060

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents AA:*
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Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	259	100.0	45	1	US-08-608-786-1 Sequence 1, Appli
2	259	100.0	45	1	US-08-824-379-1 Sequence 1, Appli
3	259	100.0	45	1	US-08-824-382-1 Sequence 1, Appli
4	259	100.0	45	1	US-08-838-763-1 Sequence 1, Appli
5	247	95.4	45	1	US-08-838-763-3 Sequence 3, Appli
6	244	94.2	45	1	US-08-838-763-2 Sequence 2, Appli
7	235	90.7	45	1	US-08-838-763-7 Sequence 7, Appli
8	231	89.2	45	1	US-08-608-786-2 Sequence 2, Appli
9	231	89.2	45	1	US-08-824-382-2 Sequence 8, Appli
10	231	89.2	45	1	US-08-838-763-8 Sequence 1, Appli
11	231	89.2	45	2	US-08-719-500-1 Sequence 4, Appli
12	225	86.9	45	1	US-08-838-763-4 Sequence 1, Appli
13	224	86.5	45	1	US-07-973-852-1 Sequence 1, Appli
14	224	86.5	45	1	US-07-950-773-1 Sequence 2, Appli
15	214	82.6	45	1	US-07-973-852-2 Sequence 3, Appli
16	214	82.6	45	1	US-07-973-852-3 Sequence 3, Appli
17	214	82.6	45	1	US-07-950-773-2 Sequence 3, Appli
18	214	82.6	45	1	US-08-838-763-5 Sequence 5, Appli
19	209	80.7	45	1	US-08-838-763-6 Sequence 6, Appli
20	202	78.0	45	1	US-08-824-379-2 Sequence 2, Appli
21	200	77.2	45	1	US-08-608-786-3 Sequence 3, Appli
22	182	70.3	45	1	US-08-824-382-3 Sequence 3, Appli
23	182	70.3	45	1	US-08-824-379-3 Sequence 3, Appli
24	170	65.6	45	1	US-08-838-763-9 Sequence 9, Appli
25	169	65.3	45	1	US-08-838-763-9 Sequence 9, Appli
26	166.5	64.3	46	2	US-09-030-619-230 Sequence 230, App
27	166.5	64.3	46	2	US-09-444-281-111 Sequence 111, App

28	146	56.4	47	4	PCT-US96-08811-2	Sequence 2, Appli
29	73.5	28.4	249	2	US-09-252-991A-28972	Sequence 28972, A
30	72.5	28.0	180	2	US-09-510-238A-286	Sequence 286, App
31	70.5	27.2	278	1	US-08-460-309-13	Sequence 13, Appl
32	70.5	27.2	278	1	US-08-125-077-13	Sequence 13, Appl
33	70.5	27.2	279	1	US-08-152-019A-29	Sequence 29, Appl
34	70.5	27.2	1196	1	US-08-144-121-4	Sequence 4, Appli
35	70.5	27.2	1196	1	US-08-735-893-4	Sequence 4, Appli
36	70.5	27.2	1196	2	US-10-841-139-4	Sequence 16, Appl
37	70.5	27.2	1765	2	US-09-562-702A-16	Sequence 16, Appl
38	70.5	27.2	1765	2	US-09-561-818A-16	Sequence 16, Appl
39	70.5	27.2	1765	2	US-10-037-182-8	Sequence 8, Appli
40	70.5	27.2	1786	2	US-09-562-702A-14	Sequence 14, Appl
41	70.5	27.2	1786	2	US-09-561-818A-14	Sequence 14, Appl
42	70.5	27.2	1786	2	US-09-561-709B-9	Sequence 9, Appli
43	70.5	27.2	1786	2	US-09-538-092-869	Sequence 869, App
44	70.5	27.2	1786	2	US-10-037-182-6	Sequence 6, Appli
45	69.5	26.8	271	1	US-08-152-019A-28	Sequence 28, Appl

ALIGNMENTS

RESULT 1
US-08-608-786-1
; Sequence 1, Application US/08608786
; Patent No. 5703049
; GENERAL INFORMATION:
; APPLICANT: Rao, A. Gururaj
; TITLE OF INVENTION: High Methionine Derivatives of
; TITLE OF INVENTION: Alpha-Hordothionin for Pathogen-Control
; NUMBER OF SEQUENCES: 3
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pioneer Hi-Bred International, Inc.
; STREET: 700 Capital Square, 400 Locust Street
; CITY: Des Moines
; STATE: Iowa
; COUNTRY: United States of America
; ZIP: 50309
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/608,786
; FILING DATE:
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Simon, Soma G.
; REGISTRATION NUMBER: 37,444
; REFERENCE/DOCKET NUMBER: 456-US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 515-248-4896
; TELEFAX: 515-248-4844
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 45 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; US-08-608-786-1

Query Match 100.0%; Score 259; DB 1; Length 45;
Best Local Similarity 100.0%; Pred. No. 4.8e-21;
Matches 45; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KSCCRSTLGRNCYNLCRVGAQKLCAGVCRCKLTSSGKCPFGPPK 45
Db 1 KSCCRSTLGRNCYNLCRVGAQKLCAGVCRCKLTSSGKCPFGPPK 45

RESULT 2
US-08-824-379-1

; Sequence 1, Application US/08824379
; Patent No. 5885801
; GENERAL INFORMATION:
; APPLICANT: Rao, A. Gururaj
; TITLE OF INVENTION: High Threonine Derivatives of
; TITLE OF INVENTION: Alpha-Hordothionin
; NUMBER OF SEQUENCES: 3
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pioneer Hi-Bred International, Inc.
; STREET: 700 Capital Square, 400 Locust Street
; CITY: Des Moines
; STATE: Iowa
; COUNTRY: United States of America
; ZIP: 50309
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/824,379
; FILING DATE:
; CLASSIFICATION:
; * PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/459,180
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Simon, Soma G.
; REGISTRATION NUMBER: 37,444
; REFERENCE/DOCKET NUMBER: 354-US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 515-248-4844
; TELEFAX: 515-248-4896
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 45 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; US-08-824-379-1

Query Match 100.0%; Score 259; DB 1; Length 45;
Best Local Similarity 100.0%; Pred. No. 4.8e-21;
Matches 45; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KSCCRSTLGRNCYNLCRVGAQKLCAGVCRCKLTSSGKCPTGFPK 45
Db 1 KSCCRSTLGRNCYNLCRVGAQKLCAGVCRCKLTSSGKCPTGFPK 45

RESULT 3
US-08-824-382-1
; Sequence 1, Application US/08824382
; Patent No. 5885802
; GENERAL INFORMATION:
; APPLICANT: Rao, A. Gururaj
; TITLE OF INVENTION: High Methionine Derivatives of
; TITLE OF INVENTION: Alpha-Hordothionin
; NUMBER OF SEQUENCES: 3
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pioneer Hi-Bred International, Inc.
; STREET: 700 Capital Square, 400 Locust Street
; CITY: Des Moines
; STATE: Iowa
; COUNTRY: United States of America
; ZIP: 50309
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/824,382
; FILING DATE:

; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/460,440
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Simon, Soma G.
; REGISTRATION NUMBER: 37,444
; REFERENCE/DOCKET NUMBER: 355-US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 515-248-4896
; TELEFAX: 515-248-4844
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 45 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; US-08-824-382-1

Query Match 100.0%; Score 259; DB 1; Length 45;
Best Local Similarity 100.0%; Pred. No. 4.8e-21;
Matches 45; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KSCCRSTLGRNCYNLCRVGAQKLCAGVCRCKLTSSGKCPTGFPK 45
Db 1 KSCCRSTLGRNCYNLCRVGAQKLCAGVCRCKLTSSGKCPTGFPK 45

RESULT 4
US-08-838-763-1
; Sequence 1, Application US/08838763
; Patent No. 590389

; GENERAL INFORMATION:
; APPLICANT: Rao, A. Gururaj
; TITLE OF INVENTION: High Lysine Derivatives of
; TITLE OF INVENTION: Alpha-Hordothionin
; NUMBER OF SEQUENCES: 9
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pioneer Hi-Bred International, Inc.
; STREET: 7100 NW 62nd Avenue, P.O. Box 1000
; CITY: Johnston
; STATE: IA
; COUNTRY: USA

; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/838,763
; FILING DATE: 10-APR-1997
; CLASSIFICATION: 800
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/003,885
; FILING DATE: 13-JAN-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Michel, Marianne H
; REGISTRATION NUMBER: 35,286
; REFERENCE/DOCKET NUMBER: 0233C3
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 515-334-4467
; TELEFAX: 515-334-6883
; TELEX:

; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 45 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-838-763-1

COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/838,763
FILING DATE: 10-APR-1997
CLASSIFICATION: 800
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/003,885
FILING DATE: 13-JAN-1993
ATTORNEY/AGENT INFORMATION:
NAME: Michel, Marianne H
REGISTRATION NUMBER: 35,286
REFERENCE/DOCKET NUMBER: 0233C3
TELECOMMUNICATION INFORMATION:
TELEPHONE: 515-334-4467
TELEFAX: 515-334-6883
TELEX:
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 45 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-838-763-8

Query Match 89.2%; Score 231; DB 1; Length 45;
Best Local Similarity 84.4%; Pred. No. 4.6e-18;
Matches 38; Conservative 5; Mismatches 2; Indels 0; Gaps 0;

Qy 1 KSCCRSTLGRNCYNLCRVGAQKLCAGVCRCKLTSSGKCPTGFPK 45
Db 1 KSCCKSTLGRKCYNLCKVKGAKKLCAGVCKCKLTSSGKCPCGFPK 45

RESULT 11

US-08-719-500-1
Sequence 1, Application US/08719500
Patent No. 6080913
GENERAL INFORMATION:
APPLICANT: Mitchell C. Tarczynski and Rudolf Jung
TITLE OF INVENTION: A BINARY METHOD OF
TITLE OF INVENTION: INCREASING ACCUMULATION OF ESSENTIAL AMINO
TITLE OF INVENTION: ACIDS IN SEEDS
NUMBER OF SEQUENCES: 1
CORRESPONDENCE ADDRESS:
ADDRESSEE: Pioneer Hi-Bred International, Inc.
STREET: 7100 N.W. 62nd Avenue
STREET: Post Office Box 1000
CITY: Johnston
STATE: Iowa
COUNTRY: United States of America
ZIP: 50131
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.5 inch,
MEDIUM TYPE: 1.44 Mb storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: MS-DOS, Microsoft Windows
SOFTWARE: Microsoft Windows No. 6080913epad
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/719,500
FILING DATE:
CLASSIFICATION: 800
ATTORNEY/AGENT INFORMATION:
NAME: SIMON, Soma G.
REGISTRATION NUMBER: 37,444
REFERENCE/DOCKET NUMBER: 0473 US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (515) 248-4896
TELEFAX: (515) 334-6883
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:

LENGTH: 45 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
DESCRIPTION: hordothionin derivative
US-08-719-500-1

Query Match 89.2%; Score 231; DB 2; Length 45;
Best Local Similarity 84.4%; Pred. No. 4.6e-18;
Matches 38; Conservative 5; Mismatches 2; Indels 0; Gaps 0;

Qy 1 KSCCRSTLGRNCYNLCRVGAQKLCAGVCRCKLTSSGKCPTGFPK 45
Db 1 KSCCKSTLGRKCYNLCKVKGAKKLCAGVCKCKLTSSGKCPCGFPK 45

RESULT 12

US-08-838-763-4
Sequence 4, Application US/08838763
Patent No. 5990389
GENERAL INFORMATION:
APPLICANT: Rao, A. Gururaj
TITLE OF INVENTION: High Lysine Derivatives of
TITLE OF INVENTION: Alpha-Hordothionin
NUMBER OF SEQUENCES: 9
CORRESPONDENCE ADDRESS:
ADDRESSEE: Pioneer Hi-Bred International, Inc.
STREET: 7100 NW 62nd Avenue, P.O. Box 1000
CITY: Johnston
STATE: IA
COUNTRY: USA
ZIP: 50131

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/838,763
FILING DATE: 10-APR-1997
CLASSIFICATION: 800
PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/003,885

FILING DATE: 13-JAN-1993

ATTORNEY/AGENT INFORMATION:

NAME: Michel, Marianne H

REGISTRATION NUMBER: 35,286

REFERENCE/DOCKET NUMBER: 0233C3

TELECOMMUNICATION INFORMATION:

TELEPHONE: 515-334-4467

TELEFAX: 515-334-6883

TELEX:

INFORMATION FOR SEQ ID NO: 4:

SEQUENCE CHARACTERISTICS:

LENGTH: 45 amino acids

TYPE: amino acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: protein

US-08-838-763-4

Query Match 86.9%; Score 225; DB 1; Length 45;
Best Local Similarity 86.7%; Pred. No. 2e-17;
Matches 39; Conservative 4; Mismatches 2; Indels 0; Gaps 0;

Qy 1 KSCCRSTLGRNCYNLCRVGAQKLCAGVCRCKLTSSGKCPTGFPK 45
Db 1 KSCCKSTLGRKCYNLCKVKGAKKLCAGVTKCKLTSSGKCPCGFPK 45

RESULT 13

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US-07-973-852-1
; Sequence 1, Application US/07973852
; Patent No. 5376640
; GENERAL INFORMATION:
; APPLICANT: Miyazaki, Toshiyuki
; APPLICANT: Motol, Hirofumi
; APPLICANT: Kodama, Toshiaki
; APPLICANT: Maeda, Tatuoro
; APPLICANT: Tsujita, Takahiro
; APPLICANT: Okuda, Hiromichi
; TITLE OF INVENTION: LIPOLYTIC ENZYME INHIBITORS
; NUMBER OF SEQUENCES: 7
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,
; ADDRESSEE: P.C.
; STREET: 1755 Jefferson Davis Highway, Fourth Floor
; CITY: Arlington
; STATE: Virginia
; COUNTRY: U.S.A.
; ZIP: 22202
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/973,852
; FILING DATE:
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/631,321
; FILING DATE: 20-DEC-1990
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: JP 332884/1989
; FILING DATE: 25-DEC-1989
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: JP 75600/1990
; FILING DATE: 27-MAR-1990
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: JP 194782/1990
; FILING DATE: 25-JUL-1990
; ATTORNEY/AGENT INFORMATION:
; NAME: Oblon, No. 5376640man F.
; REGISTRATION NUMBER: 24,618
; REFERENCE/DOCKET NUMBER: 1327-014-0 DIV
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (703)521-4500
; TELEFAX: (703)486-2347
; TELEX: 248855 OPAT UR
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 45 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-07-973-852-1

Query Match      86.5%; Score 224; DB 1; Length 45;
Best Local Similarity 84.4%; Pred. No. 2.6e-17;
Matches 38; Conservative 2; Mismatches 5; Indels 0; Gaps 0;

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Db      1 KSCCRSTLGRNCYNLCRVGAOKLCAGVCRCKLTSSGKCPGPK 45

RESULT 14
US-07-950-773-1
; Sequence 1, Application US/07950773
; Patent No. 5411956
; GENERAL INFORMATION:
; APPLICANT: Miyazaki, Toshiyuki
; APPLICANT: Motol, Hirofumi

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1 APPLICANT: Kodama, Toshiaki
2 APPLICANT: Maeda, Taturu
3 APPLICANT: Tsujita, Takahiro
4 APPLICANT: Okuda, Hiromichi
5 TITLE OF INVENTION: LIPOLYTIC ENZYME INHIBITORS
6 NUMBER OF SEQUENCES: 7
7 CORRESPONDENCE ADDRESS:
8 ADDRESSEE: OBLON, SPIVAK, MCLELLAND, MAIER &
9 ADDRESSEE: NEUSTADT, P.C.
10 STREET: 1755 Jefferson Davis Highway, Fourth Floor
11 CITY: Arlington
12 STATE: Virginia
13 ZIP: 22202
14 COMPUTER READABLE FORM:
15 MEDIUM TYPE: Floppy disk
16 COMPUTER: IBM PC compatible
17 OPERATING SYSTEM: PC-DOS/MS-DOS
18 SOFTWARE: Patentin Release #1.0, Version #1.25
19 CURRENT APPLICATION DATA:
20 APPLICATION NUMBER: US/07/950,773
21 FILING DATE: 19920924
22 CLASSIFICATION: 530
23 PRIOR APPLICATION DATA:
24 APPLICATION NUMBER: US/07/631,321
25 FILING DATE: 20-DEC-1990
26 ATTORNEY/AGENT INFORMATION:
27 NAME: Oblon, No. 5411956man F.
28 REGISTRATION NUMBER: 24,618
29 REFERENCE/DOCKET NUMBER: 1327-003-0
30 TELECOMMUNICATION INFORMATION:
31 TELEPHONE: (703)521-4500
32 TELEFAX: (703)486-2347
33 TELEX: 248855 OPAT UR
34 INFORMATION FOR SEQ ID NO: 1:
35 SEQUENCE CHARACTERISTICS:
36 LENGTH: 45 amino acids
37 TYPE: AMINO ACID
38 TOPOLOGY: linear
39 MOLECULE TYPE: protein
40
41 US-07-950-773-1

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Query Match      86.5%; Score 224; DB 1; Length 45;
Best Local Similarity 84.4%; Pred. No. 2.6e-17;
Matches 38; Conservative 2; Mismatches 5; Indels 0; Gaps 0;

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Db      1 KSCCRSTLGRNCYNLCRARGAQLCAGVCRCKISSGLSCPGRFPK 45

RESULT 15
US-07-973-852-2
; Sequence 2, Application US/07973852
; Patent No. 5376640
; GENERAL INFORMATION:
; APPLICANT: Miyazaki, Toshiyuki
; APPLICANT: Motoi, Hirofumi
; APPLICANT: Kodama, Toshiaki
; APPLICANT: Maeda, Taturu
; APPLICANT: Tsujita, Takahiro
; APPLICANT: Okuda, Hiromichi
; TITLE OF INVENTION: LIPOLYTIC ENZYME INHIBITORS
; NUMBER OF SEQUENCES: 7
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,
; ADDRESSEE: P.C.
; STREET: 1755 Jefferson Davis Highway, Fourth Floor
; CITY: Arlington
; STATE: Virginia
; COUNTRY: U.S.A.
; ZIP: 22202
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk

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COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/973,852
FILING DATE:
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/631,321
FILING DATE: 20-DEC-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 332884/1989
FILING DATE: 25-DEC-1989
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 75600/1990
FILING DATE: 27-MAR-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 194782/1990
FILING DATE: 25-JUL-1990
ATTORNEY/AGENT INFORMATION:
NAME: Oblon, No. 5376640man F.
REGISTRATION NUMBER: 24,618
REFERENCE/DOCKET NUMBER: 1327-014-0 DIV
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703)521-4500
TELEFAX: (703)486-2347
TELEX: 248855 OPAT UR
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 45 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-07-973-852-2

Query Match 82.6%; Score 214; DB 1; Length 45;
Best Local Similarity 82.2%; Pred. No. 3e-16;
Matches 37; Conservative 2; Mismatches 6; Indels 0; Gaps 0;
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|.||||:|||||:|||||:|||||:||||| 45
Db 1 KSCCRSTLGRNCYNLCRSRGAKLCSIVCRCKLTSGLSGPKGFPK 45

Search completed: January 13, 2006, 15:02:44
Job time : 46 secs

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GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: January 13, 2006, 14:55:45 ; Search time 64 Seconds
(without alignments)
293.786 Million cell updates/sec

Title: US-10-010-709-1
Perfect score: 259
Sequence: 1 KSCCRSTLGRNCYNLCRVRG.....AGVCRCKLTSSGKCPGFPK 45

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 1867569 seqs, 417829326 residues

Total number of hits satisfying chosen parameters: 1867569

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications AA_Main:
1: /cgn2_6/ptodata/1/pubpaa/US07_PUBCOMB.pep:*
2: /cgn2_6/ptodata/1/pubpaa/US08_PUBCOMB.pep:*
3: /cgn2_6/ptodata/1/pubpaa/US09_PUBCOMB.pep:*
4: /cgn2_6/ptodata/1/pubpaa/US10A_PUBCOMB.pep:*
5: /cgn2_6/ptodata/1/pubpaa/US10B_PUBCOMB.pep:*
6: /cgn2_6/ptodata/1/pubpaa/US11_PUBCOMB.pep:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	259	100.0	54	3 US-09-864-169-8	Sequence 8, Appli
2	259	100.0	88	3 US-09-864-169-11	Sequence 11, Appli
3	259	100.0	124	3 US-09-864-169-2	Sequence 2, Appli
4	259	100.0	543	3 US-09-864-169-5	Sequence 5, Appli
5	166.5	64.3	46	3 US-09-030-619-230	Sequence 230, App
6	166.5	64.3	46	3 US-09-912-609-118	Sequence 118, App
7	166.5	64.3	46	4 US-10-277-232-230	Sequence 230, App
8	166.5	64.3	46	4 US-10-277-233-230	Sequence 230, App
9	153	59.1	45	5 US-10-838-289-754	Sequence 754, App
10	93	35.9	135	4 US-10-437-963-198644	Sequence 198644,
11	84	32.4	112	4 US-10-437-963-183612	Sequence 183612,
12	78	30.1	3401	4 US-10-184-644-411	Sequence 411, App
13	78	30.1	3401	4 US-10-184-634-411	Sequence 411, App
14	76	29.3	1574	4 US-09-825-751A-77	Sequence 77, Appli
15	76	29.3	1574	5 US-10-851-438-77	Sequence 77, Appli
16	75.5	29.2	3781	4 US-10-184-644-453	Sequence 453, App
17	75.5	29.2	3781	4 US-10-184-634-453	Sequence 453, App
18	75	29.0	2768	4 US-10-063-685-15	Sequence 15, Appli
19	73.5	28.4	1320	4 US-10-063-685-155	Sequence 155, App
20	73.5	28.4	4842	4 US-10-184-644-289	Sequence 289, App
21	73.5	28.4	4842	4 US-10-184-634-289	Sequence 289, App
22	73	28.2	1021	4 US-10-184-644-373	Sequence 373, App
23	73	28.2	1021	4 US-10-184-634-373	Sequence 373, App
24	73	28.2	1200	3 US-09-826-508-3	Sequence 3, Appli
25	72.5	28.0	180	4 US-10-695-584A-286	Sequence 286, App
26	71.5	27.6	2148	4 US-10-184-644-507	Sequence 507, App
27	71.5	27.6	2148	4 US-10-184-634-507	Sequence 507, App

28	71	27.4	1664	4 US-10-123-155-169	Sequence 169, App
29	71	27.4	1664	4 US-10-146-731-169	Sequence 169, App
30	71	27.4	1664	4 US-10-140-472-169	Sequence 169, App
31	71	27.4	1664	4 US-10-141-761-169	Sequence 169, App
32	71	27.4	1664	4 US-10-142-885-169	Sequence 169, App
33	71	27.4	1664	4 US-10-158-790-169	Sequence 169, App
34	71	27.4	1664	4 US-10-137-871-169	Sequence 169, App
35	71	27.4	1664	4 US-10-140-923-169	Sequence 169, App
36	71	27.4	1664	4 US-10-141-756-169	Sequence 169, App
37	71	27.4	1664	4 US-10-141-759-169	Sequence 169, App
38	71	27.4	1664	4 US-10-140-805-169	Sequence 169, App
39	71	27.4	1664	4 US-10-140-864-169	Sequence 169, App
40	70.5	27.2	1196	4 US-10-443-349-4	Sequence 4, Appli
41	70.5	27.2	1196	4 US-10-841-139-4	Sequence 4, Appli
42	70.5	27.2	1765	4 US-10-037-182-8	Sequence 8, Appli
43	70.5	27.2	1786	3 US-09-873-676-113	Sequence 113, App
44	70.5	27.2	1786	3 US-09-938-275-6	Sequence 6, Appli
45	70.5	27.2	1786	4 US-10-037-182-6	Sequence 6, Appli

ALIGNMENTS

RESULT 1
US-09-864-169-8
; Sequence 8, Application US/09864169
; Publication No. US20030228654A1
; GENERAL INFORMATION:
; APPLICANT: IMAEDA, TAKAO
; APPLICANT: YAMADA, YUKIO
; APPLICANT: HIRAI, MASANA
; APPLICANT: SHIMAMURA, TAKASHI
; APPLICANT: KOHDA, KATSUNORI
; APPLICANT: MURAMOTO, NOBUHIKO
; TITLE OF INVENTION: METHOD FOR PRODUCING ANTIMICROBIAL PROTEIN AND FUSION PROTEIN
; FILE REFERENCE: 208377US0
; CURRENT FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: JP2000-161090
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 8
; LENGTH: 54
; TYPE: PRP
; ORGANISM: Hordeum vulgare
US-09-864-169-8
Query Match 100.0%; Score 259; DB 3; Length 54;
Best local Similarity 100.0%; Pred. No. 2.9e-20;
Matches 45; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 KSCCRSTLGRNCYNLCRVGAQKLCAGVCRCKLTSSGKCPGFPK 45
DB 10 KSCCRSTLGRNCYNLCRVGAQKLCAGVCRCKLTSSGKCPGFPK 54
RESULT 2
US-09-864-169-11
; Sequence 11, Application US/09864169
; Publication No. US20030228654A1
; GENERAL INFORMATION:
; APPLICANT: IMAEDA, TAKAO
; APPLICANT: YAMADA, YUKIO
; APPLICANT: HIRAI, MASANA
; APPLICANT: SHIMAMURA, TAKASHI
; APPLICANT: KOHDA, KATSUNORI
; APPLICANT: MURAMOTO, NOBUHIKO
; TITLE OF INVENTION: METHOD FOR PRODUCING ANTIMICROBIAL PROTEIN AND FUSION PROTEIN
; FILE REFERENCE: 208377US0
; CURRENT FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: JP2000-161090

; PRIOR FILING DATE: 2000-05-26
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: Patentin version 3.0
; SEQ ID NO 11
; LENGTH: 88
; TYPE: PRT
; ORGANISM: Hordeum vulgare
US-09-864-169-11

Query Match 100.0%; Score 259; DB 3; Length 88;
Best Local Similarity 100.0%; Pred. No. 4.3e-20;
Matches 45; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KSCCRSTLGRNCYNLCRVGAQKLCAGVCRCKLTSSGKCPTGFPK 45
Db 9 KSCCRSTLGRNCYNLCRVGAQKLCAGVCRCKLTSSGKCPTGFPK 53

RESULT 3

US-09-864-169-2
; Sequence 2, Application US/09864169
; Publication No. US20030228654A1
; GENERAL INFORMATION:
; APPLICANT: IMaeda, TAKAO
; APPLICANT: YAMADA, YUKIO
; APPLICANT: HIRAI, MASANA
; APPLICANT: SHIMAMURA, TAKASHI
; APPLICANT: KOHDA, KATSUNORI
; APPLICANT: MURAMOTO, NOBUHIKO
; TITLE OF INVENTION: METHOD FOR PRODUCING ANTIMICROBIAL PROTEIN AND FUSION PROTEIN
; FILE REFERENCE: 208377US0
; CURRENT APPLICATION NUMBER: US/09/864,169
; PRIOR FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: JP2000-161090
; PRIOR FILING DATE: 2000-05-26
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: Patentin version 3.0
; SEQ ID NO 2
; LENGTH: 124
; TYPE: PRT
; ORGANISM: Hordeum vulgare
US-09-864-169-2

Query Match 100.0%; Score 259; DB 3; Length 124;
Best Local Similarity 100.0%; Pred. No. 5.7e-20;
Matches 45; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KSCCRSTLGRNCYNLCRVGAQKLCAGVCRCKLTSSGKCPTGFPK 45
Db 10 KSCCRSTLGRNCYNLCRVGAQKLCAGVCRCKLTSSGKCPTGFPK 54

RESULT 4

US-09-864-169-5
; Sequence 5, Application US/09864169
; Publication No. US20030228654A1
; GENERAL INFORMATION:
; APPLICANT: IMaeda, TAKAO
; APPLICANT: YAMADA, YUKIO
; APPLICANT: HIRAI, MASANA
; APPLICANT: SHIMAMURA, TAKASHI
; APPLICANT: KOHDA, KATSUNORI
; APPLICANT: MURAMOTO, NOBUHIKO
; TITLE OF INVENTION: METHOD FOR PRODUCING ANTIMICROBIAL PROTEIN AND FUSION PROTEIN
; FILE REFERENCE: 208377US0
; CURRENT APPLICATION NUMBER: US/09/864,169
; PRIOR FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: JP2000-161090
; PRIOR FILING DATE: 2000-05-26
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: Patentin version 3.0
; SEQ ID NO 5
; LENGTH: 543

; TYPE: PRT
; ORGANISM: Hordeum vulgare
US-09-864-169-5

Query Match 100.0%; Score 259; DB 3; Length 543;
Best Local Similarity 100.0%; Pred. No. 2e-19;
Matches 45; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KSCCRSTLGRNCYNLCRVGAQKLCAGVCRCKLTSSGKCPTGFPK 45
Db 9 KSCCRSTLGRNCYNLCRVGAQKLCAGVCRCKLTSSGKCPTGFPK 53

RESULT 5

US-09-030-619-230
; Sequence 230, Application US/09030619B
; Patent No. US20020035061A1
; GENERAL INFORMATION:
; APPLICANT: Krieger, Timothy J.
; APPLICANT: Taylor, Robert
; APPLICANT: Erfle, Douglas
; APPLICANT: Fraser, Janet R.
; APPLICANT: West, Michael H.P.
; APPLICANT: McNicol, Patricia J.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR TREATING
; TITLE OF INVENTION: INFECTIONS USING CATIONIC PEPTIDES ALONE OR IN COMBINATION
; FILE REFERENCE: 660081.406
; CURRENT APPLICATION NUMBER: US/09/030,619B
; CURRENT FILING DATE: 1998-02-25
; NUMBER OF SEQ ID NOS: 232
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 230
; LENGTH: 46
; TYPE: PRT
; ORGANISM: Hordeum vulgare
US-09-030-619-230

Query Match 64.3%; Score 166.5; DB 3; Length 46;
Best Local Similarity 58.7%; Pred. No. 1.6e-10;
Matches 27; Conservative 6; Mismatches 12; Indels 1; Gaps 1;

QY 1 KSCCRSTLGRNCYNLCRVGAQK-LCAGVCRCKLTSSGKCPTGFPK 45
Db 1 KSCCKDTLARNCTNTCRFAGGSRPVCAGACRCKIISGPKCPSDYFK 46

RESULT 6

US-09-912-609-118
; Sequence 118, Application US/09912609
; Publication No. US20020041898A1
; GENERAL INFORMATION:
; APPLICANT: UNGER, EVAN C.
; APPLICANT: MATSUNAGA, TERRY ONICHI
; APPLICANT: RAMASWAMI, VARADARAJAN
; APPLICANT: ROMANOWSKI, MAREK J.
; TITLE OF INVENTION: NOVEL TARGETED DELIVERY SYSTEMS FOR BIOACTIVE AGENTS
; FILE REFERENCE: 5030-0001.24
; CURRENT APPLICATION NUMBER: US/09/912,609
; CURRENT FILING DATE: 2001-07-25
; PRIOR APPLICATION NUMBER: 09/703,474
; PRIOR FILING DATE: 2000-10-31
; PRIOR APPLICATION NUMBER: 09/478,124
; PRIOR FILING DATE: 2000-01-05
; NUMBER OF SEQ ID NOS: 131
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 118
; LENGTH: 46
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: peptide

US-09-912-609-118

Query Match 64.3%; Score 166.5; DB 3; Length 46;
Best Local Similarity 58.7%; Pred. No. 1.6e-10;
Matches 27; Conservative 6; Mismatches 12; Indels 1; Gaps 1;

OY 1 KSCCRSTLGRNCYNLCRVGAOK-LCAGVCRCKLTSSGKCPTGFPK 45
Db 1 KSCCKDTLARNCYNTCRFAGGSRPVCAGACRCKIISGPKCPSDYPK 46

RESULT 7

US-10-277-232-230
; Sequence 230, Application US/10277232
; Publication No. US20030211537A1
; GENERAL INFORMATION:
; APPLICANT: Krieger, Timothy J.
; APPLICANT: Taylor, Robert
; APPLICANT: Erfle, Douglas
; APPLICANT: Frazer, Janet R.
; APPLICANT: West, Michael H.P.
; APPLICANT: McNicol, Patricia J.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR TREATING
; TITLE OF INVENTION: INFECTIONS USING CATIONIC PEPTIDES ALONE OR IN COMBINATION
; TITLE OF INVENTION: WITH ANTIBIOTICS
; FILE REFERENCE: 660081.406C1
; CURRENT APPLICATION NUMBER: US/10/277,232
; CURRENT FILING DATE: 2002-11-27
; NUMBER OF SEQ ID NOS: 232
; SOFTWARE: FastSeq for windows Version 3.0
; SEQ ID NO 230
; LENGTH: 46
; TYPE: PRT
; ORGANISM: Hordeum vulgare
US-10-277-232-230

Query Match 64.3%; Score 166.5; DB 4; Length 46;
Best Local Similarity 58.7%; Pred. No. 1.6e-10;
Matches 27; Conservative 6; Mismatches 12; Indels 1; Gaps 1;

OY 1 KSCCRSTLGRNCYNLCRVGAOK-LCAGVCRCKLTSSGKCPTGFPK 45
Db 1 KSCCKDTLARNCYNTCRFAGGSRPVCAGACRCKIISGPKCPSDYPK 46

RESULT 8

US-10-277-233-230
; Sequence 230, Application US/10277233
; Publication No. US20030232750A1
; GENERAL INFORMATION:
; APPLICANT: Krieger, Timothy J.
; APPLICANT: Taylor, Robert
; APPLICANT: Erfle, Douglas
; APPLICANT: Frazer, Janet R.
; APPLICANT: West, Michael H.P.
; APPLICANT: McNicol, Patricia J.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR TREATING
; TITLE OF INVENTION: INFECTIONS USING CATIONIC PEPTIDES ALONE OR IN COMBINATION
; TITLE OF INVENTION: WITH ANTIBIOTICS
; FILE REFERENCE: 660081.406C1
; CURRENT APPLICATION NUMBER: US/10/277,233
; CURRENT FILING DATE: 2002-10-18
; NUMBER OF SEQ ID NOS: 232
; SOFTWARE: FastSeq for windows Version 3.0
; SEQ ID NO 230
; LENGTH: 46
; TYPE: PRT
; ORGANISM: Hordeum vulgare
US-10-277-233-230

Query Match 64.3%; Score 166.5; DB 4; Length 46;
Best Local Similarity 58.7%; Pred. No. 1.6e-10;
Matches 27; Conservative 6; Mismatches 12; Indels 1; Gaps 1;

OY 1 KSCCRSTLGRNCYNLCRVGAOK-LCAGVCRCKLTSSGKCPTGFPK 45
Db 1 KSCCKDTLARNCYNTCRFAGGSRPVCAGACRCKIISGPKCPSDYPK 46

RESULT 9

US-10-838-289-754
; Sequence 754, Application US/10838289
; Publication No. US20050058603A1
; GENERAL INFORMATION:
; APPLICANT: Gao, Jiming
; APPLICANT: Ai, Hua
; TITLE OF INVENTION: DRUG DELIVERY SYSTEM BASED ON POLYMER
; TITLE OF INVENTION: NANOSHELLS
; FILE REFERENCE: CWRU-P01-040
; CURRENT APPLICATION NUMBER: US/10/838,289
; CURRENT FILING DATE: 2004-05-03
; PRIOR APPLICATION NUMBER: US 60/502,429
; PRIOR FILING DATE: 2003-09-12
; PRIOR APPLICATION NUMBER: US 60/467,389
; PRIOR FILING DATE: 2003-05-02
; NUMBER OF SEQ ID NOS: 756
; SOFTWARE: FastSeq for windows Version 4.0
; SEQ ID NO 754
; LENGTH: 45
; TYPE: PRT
; ORGANISM: Unknown
; FEATURE:
; OTHER INFORMATION: Tumor targeting peptide
US-10-838-289-754

Query Match 59.1%; Score 153; DB 5; Length 45;
Best Local Similarity 56.5%; Pred. No. 4.3e-09;
Matches 26; Conservative 6; Mismatches 12; Indels 2; Gaps 2;

OY 1 KSCCRSTLGRNCYNLCRVGAOK-LCAGVCRCKLTSSGKCPTGFPK 45
Db 1 KSCCKDTLARNCYNTCRFAGGSRPVCAGACRCKIIGP-KCPSDYPK 45

RESULT 10

US-10-437-963-198644
; Sequence 198644, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovacic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated with
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 198644
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Oryza sativa
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_94284C.1.pep
US-10-437-963-198644

Query Match 35.9%; Score 93; DB 4; Length 135;
Best Local Similarity 45.0%; Pred. No. 0.025;
Matches 18; Conservative 6; Mismatches 14; Indels 2; Gaps 2;

OY 1 KSCCRSTLGRNCYNLCR-VGAOKLCAGVCRCKLTSSGKC 39

Db 28 KSCCPTTARNITYNACRFANHGTRECRSLSGCKIV-DGKC 66

RESULT 11

US-10-437-963-183612
; Sequence 183612, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 183612
; LENGTH: 112
; TYPE: PRT
; ORGANISM: Oryza sativa
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_80687C.1.pep
US-10-437-963-183612

Query Match 32.4%; Score 84; DB 4; Length 112;
Best Local Similarity 47.5%; Pred. No. 0.19;
Matches 19; Conservative 4; Mismatches 15; Indels 2; Gaps 2;

QY 1 KSCCRSTLGRNCYNLCR-VRGAQKLCAGVCRCKLTSSGKC 39
Db 28 KSCCPTSTVRNVNNSCRFAGSREACAKLSTCK-HFDGSC 66

RESULT 12

US-10-184-644-411
; Sequence 411, Application US/10184644
; Publication No. US20030044930A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3430R1C227
; CURRENT APPLICATION NUMBER: US/10/184,644
; CURRENT FILING DATE: 2002-06-28
; PRIOR APPLICATION removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 411
; LENGTH: 3401
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-184-644-411

Query Match 30.1%; Score 78; DB 4; Length 3401;
Best Local Similarity 35.0%; Pred. No. 14;
Matches 14; Conservative 1; Mismatches 25; Indels 0; Gaps 0;

QY 3 CCRSTLGRNCYNLCRVRGAQKLCAGVCRCKLTSSGKCPTG 42
Db 2969 CCACCTGCTCCTTCATGAGAGCAGACACTTAGAGGCTGG 3008

RESULT 13

US-10-184-634-411
; Sequence 411, Application US/10184634
; Publication No. US20030068684A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3430R1C217
; CURRENT APPLICATION NUMBER: US/10/184,634
; CURRENT FILING DATE: 2002-06-28
; PRIOR APPLICATION removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 411
; LENGTH: 3401
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-184-634-411

Query Match 30.1%; Score 78; DB 4; Length 3401;
Best Local Similarity 35.0%; Pred. No. 14;
Matches 14; Conservative 1; Mismatches 25; Indels 0; Gaps 0;

QY 3 CCRSTLGRNCYNLCRVRGAQKLCAGVCRCKLTSSGKCPTG 42
Db 2969 CCACCTGCTCCTTCATGAGAGCAGACACTTAGAGGCTGG 3008

RESULT 14

US-09-825-751A-77
; Sequence 77, Application US/09825751A
; Publication No. US20030065140A1
; GENERAL INFORMATION:
; APPLICANT: Curagen Corporation
; APPLICANT: Vernet, Corine A.M.
; APPLICANT: Fernandes, Elma R.
; APPLICANT: Taupier, Raymond J.
; APPLICANT: Quinn, Kerry E.
; APPLICANT: Spytek, Kimberly A.
; APPLICANT: Rastelli, Luca
; APPLICANT: Herrman, John L.
; TITLE OF INVENTION: Novel Proteins and Nucleic Acids Encoding Same
; FILE REFERENCE: 15966-750
; CURRENT APPLICATION NUMBER: US/09/825,751A
; CURRENT FILING DATE: 2001-04-30
; PRIOR APPLICATION NUMBER: 60/194,314
; PRIOR FILING DATE: 2000-04-03
; PRIOR APPLICATION NUMBER: 60/225,693
; PRIOR FILING DATE: 2000-08-16
; NUMBER OF SEQ ID NOS: 85
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 77
; LENGTH: 1574
; TYPE: PRT
; ORGANISM: Rattus norvegicus
US-09-825-751A-77

Query Match 29.3%; Score 76; DB 3; Length 1574;

Best Local Similarity 32.0%; Pred. No. 12;
Matches 16; Conservative 9; Mismatches 17; Indels 8; Gaps 2;

QY 1 KSCCRSTLGRNCYNLCRVGAGQKLC---AGVCRCKLTSSG-----KCPTG 42
Db 1207 QACQPGTFGKDCBHLCCQCPGETWACDPASGVCTCAAGYHGTGCLQRCPSG 1256

RESULT 15

US-10-851-438-77
; Sequence 77, Application US/10851438
; Publication No. US20050153305A1
; GENERAL INFORMATION:
; APPLICANT: Curagen Corporation
; APPLICANT: Vernet, Corine A.M.
; APPLICANT: Fernandes, Elma R.
; APPLICANT: Taupier, Raymond J.
; APPLICANT: Quinn, Kerry E.
; APPLICANT: Spytek, Kimberly A.
; APPLICANT: Rastell, Luca
; APPLICANT: Herrman, John L.
; TITLE OF INVENTION: Novel Proteins and Nucleic Acids Encoding Same
; FILE REFERENCE: 15966-750
; CURRENT APPLICATION NUMBER: US/10/851,438
; CURRENT FILING DATE: 2004-05-21
; PRIOR APPLICATION NUMBER: US/09/825,751
; PRIOR FILING DATE: 2001-04-30
; PRIOR APPLICATION NUMBER: 60/194,314
; PRIOR FILING DATE: 2000-04-03
; PRIOR APPLICATION NUMBER: 60/225,693
; PRIOR FILING DATE: 2000-08-16
; NUMBER OF SEQ ID NOS: 85
; SOFTWARE: Patentln Ver. 2.1
; SEQ ID NO 77
; LENGTH: 1574
; TYPE: PRT
; ORGANISM: Rattus norvegicus
US-10-851-438-77

Query Match 29.3%; Score 76; DB 5; Length 1574;
Best Local Similarity 32.0%; Pred. No. 12;
Matches 16; Conservative 9; Mismatches 17; Indels 8; Gaps 2;

QY 1 KSCCRSTLGRNCYNLCRVGAGQKLC---AGVCRCKLTSSG-----KCPTG 42
Db 1207 QACQPGTFGKDCBHLCCQCPGETWACDPASGVCTCAAGYHGTGCLQRCPSG 1256

Search completed: January 13, 2006, 15:03:59
Job time : 65 secs

This Page Blank (uspto)

GenCore version 5.1.6
Copyright (c) 1993 - 2006 Compugen Ltd.

OM protein - protein search, using SW model

```
Run on:      January 13, 2006, 14:58:10 ; Search time 9 Seconds
              (without alignments)
              47.271 Million cell updates/sec
```

Title: US-10-010-709-1
Perfect score: 259
Sequence: 1 KSCCRSTLGRNCYNLCRVG.....AGVCRCKLTSSGKCPTEPK 45

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 67062 segs, 9454214 residues

Total number of hits satisfying chosen parameters: 67062

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Minimum DB seq length: 0
Maximum DB seq length: 2000000000
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Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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Database : Published Applications_AA_New:*
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2: /cgn2_6/ptodata/2/pubppaa/US06_NEW_PUB_dep:*
3: /cgn2_6/ptodata/2/pubppaa/US07_NEW_PUB_dep:*
4: /cgn2_6/ptodata/2/pubppaa/PCT_NEW_PUB_dep:*
5: /cgn2_6/ptodata/2/pubppaa/US09_NEW_PUB_dep:*
6: /cgn2_6/ptodata/2/pubppaa/US10_NEW_PUB_dep:*
7: /cgn2_6/ptodata/2/pubppaa/US11_NEW_PUB_dep:*
8: /cgn2_6/ptodata/2/pubppaa/US60_NEW_PUB_dep:*
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- Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB	ID	Description
1	166.5	64.3	46	7	US-11-068-783-111	Sequence 111, App
2	76	29.3	1574	6	US-10-055-877-211	Sequence 211, App
3	69.5	26.8	1198	6	US-10-453-372-880	Sequence 880, App
4	69.5	26.8	1398	6	US-10-055-877-46	Sequence 46, App
5	69.5	26.8	1398	6	US-10-453-372-872	Sequence 872, App
6	69.5	26.8	1403	6	US-10-055-877-52	Sequence 52, App
7	69.5	26.8	1403	6	US-10-453-372-878	Sequence 878, App
8	69.5	26.8	1404	6	US-10-055-877-44	Sequence 44, App
9	69.5	26.8	1404	6	US-10-453-372-870	Sequence 870, App
10	69.5	26.8	1450	6	US-10-055-877-48	Sequence 48, App
11	69.5	26.8	1450	6	US-10-453-372-874	Sequence 874, App
12	69.5	26.8	1547	6	US-10-453-372-886	Sequence 886, App
13	69.5	26.8	1577	6	US-10-055-877-54	Sequence 54, App
14	69.5	26.8	1577	6	US-10-453-372-882	Sequence 882, App
15	69.5	26.8	1577	6	US-10-453-372-884	Sequence 884, App
16	69.5	26.8	1594	6	US-10-453-372-860	Sequence 860, App
17	69.5	26.8	1620	6	US-10-453-372-868	Sequence 868, App
18	69.5	26.8	1653	6	US-10-453-372-866	Sequence 866, App
19	69.5	26.8	1664	6	US-10-055-877-212	Sequence 212, App
20	66.5	25.7	1418	6	US-10-453-372-864	Sequence 864, App
21	66.5	25.7	1620	6	US-10-055-877-213	Sequence 213, App
22	65	25.1	3500	7	US-11-085-775-2	Sequence 2, Appl
23	64	24.7	715	6	US-10-131-826A-116	Sequence 116, App
24	63.5	24.5	969	6	US-10-055-877-214	Sequence 214, App
25	62.5	24.1	166	7	US-11-094-519A-47	Sequence 47, Appl

ALIGNMENTS

26	62.5	24.1	317	7	US-11-094-519A-38	Sequence 38, Appl
27	62.5	24.1	322	7	US-11-067-121-15	Sequence 15, Appl
28	62.5	24.1	336	6	US-10-478-345-4	Sequence 4, Appli
29	62.5	24.1	349	7	US-11-067-121-14	Sequence 14, Appl
30	62.5	24.1	397	6	US-10-821-234-1020	Sequence 1020, Ap
31	62	23.9	321	6	US-10-478-345-8	Sequence 8, Appli
32	61	23.6	176	7	US-11-128-059-72	Sequence 72, Appl
33	61	23.6	232	7	US-11-128-059-66	Sequence 66, Appl
34	61	23.6	421	6	US-10-453-372-220	Sequence 220, Appl
35	61	23.6	533	6	US-10-453-372-230	Sequence 230, Appl
36	61	23.6	533	6	US-10-453-372-232	Sequence 232, Appl
37	61	23.6	552	6	US-10-453-372-234	Sequence 234, Appl
38	61	23.6	552	6	US-10-453-372-238	Sequence 238, Appl
39	61	23.6	552	6	US-10-453-372-240	Sequence 240, Appl
40	61	23.6	552	6	US-10-453-372-242	Sequence 242, Appl
41	61	23.6	552	6	US-10-453-372-244	Sequence 244, Appl
42	61	23.6	552	6	US-10-453-372-246	Sequence 246, Appl
43	61	23.6	552	6	US-10-453-372-248	Sequence 248, Appl
44	61	23.6	552	6	US-10-453-372-250	Sequence 250, Appl
45	61	23.6	556	6	US-10-453-372-210	Sequence 210, Appl

RESULT 1

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: Sequence 111, Application US/11068783
: Publication No. US20050260715A1
: GENERAL INFORMATION:
: APPLICANT: Burian, Jan
: APPLICANT: Bartfeld, Daniel
: TITLE OF INVENTION: EFFICIENT METHODS FOR PRODUCING
: TITLE OF INVENTION: ANTIMICROBIAL CATIONIC PEPTIDES IN HOST CELLS
: FILE REFERENCE: 660081.411
: CURRENT APPLICATION NUMBER: US/11/068,783
: CURRENT FILING DATE: 2005-02-28
: PRIOR APPLICATION NUMBER: US/09/444,281
: PRIOR FILING DATE: 1999-11-19
: NUMBER OF SEQ ID NOS: 113
: SOFTWARE: FastSEQ for Windows Version 3.0
: SEQ ID NO 111
: LENGTH: 46
: TYPE: PRT
: ORGANISM: Hordeum vulgare
US-11-068-783-111

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Query Match	64.3%	Score 166.5;	DB 7;	Length 46;
Best Local Similarity	58.7%;	Pred. No. 9.4e-14;		
Matches 27;	Conservative 6;	Mismatches 12;	Indels 1;	Gaps 1;

QY 1 KSCCRSTLGNRCYNLCRVGAOK-LCAGVCRCKLTSSGCKEPTGFPK 45
|||: || ||||| || : ||| ||||: || ||||: ||
Db 1 KSCCKDTLARNVCYNTCRFAGGSRPVCAGACRCKIISGPKCSBDYPK 46

RESULT 2

```

US-10055877, 221
: Sequence 217, Application US/10055877
: Publication No. US20050288241A1
: GENERAL INFORMATION:
: APPLICANT: Decristofaro, Marc
: APPLICANT: Padigaru, Muralidhara
: APPLICANT: Miller, Charles
: APPLICANT: Tchernev, Velizar
: APPLICANT: Zhong, Mei
: APPLICANT: Anderson, David
: APPLICANT: Ballinger, Robert
: APPLICANT: Gerlach, Valerie
: APPLICANT: Spytek, Kimberly
: APPLICANT: Ratelli, Luca
: APPLICANT: Kekuda, Ramesh
: APPLICANT: Guo, Xiaojia

```



```

; APPLICANT: Zerhusen, Bryan
; APPLICANT: Andrew, David
; APPLICANT: Mezes, Peter
; APPLICANT: Patturajan, Meera
; APPLICANT: Burgess, Catherine
; APPLICANT: Elsen, Andrew
; APPLICANT: Wolenc, Adam
; APPLICANT: Baumgartner, Jason
; APPLICANT: Shimkets, Richard
; APPLICANT: Gusev, Vladimir
; APPLICANT: Vernet, Corine
; APPLICANT: Taupier Jr., Raymond
; APPLICANT: Pena, Carol
; APPLICANT: Shenoy, Suresh
; APPLICANT: Li, Li
; APPLICANT: Casman, Stacie
; APPLICANT: Boldog, Ference
; TITLE OF INVENTION: Novel Polypeptides and Nucleic Acids Encoded Thereby
; FILE REFERENCE: 21402-251
; CURRENT APPLICATION NUMBER: US/10/055,877
; CURRENT FILING DATE: 2002-01-22
; PRIOR APPLICATION NUMBER: 60/262,892
; PRIOR FILING DATE: 2001-01-19
; PRIOR APPLICATION NUMBER: 60/263,598
; PRIOR FILING DATE: 2001-01-23
; PRIOR APPLICATION NUMBER: 60/263,799
; PRIOR FILING DATE: 2001-01-24
; PRIOR APPLICATION NUMBER: 60/264,117
; PRIOR FILING DATE: 2001-01-25
; PRIOR APPLICATION NUMBER: 60/264,139
; PRIOR FILING DATE: 2001-01-25
; PRIOR APPLICATION NUMBER: 60/264,478
; PRIOR FILING DATE: 2001-01-26
; PRIOR APPLICATION NUMBER: 60/263,351
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: 60/272,870
; PRIOR FILING DATE: 2001-03-02
; PRIOR APPLICATION NUMBER: 60/275,990
; PRIOR FILING DATE: 2001-03-14
; PRIOR APPLICATION NUMBER: 60/275,927
; PRIOR FILING DATE: 2001-03-14
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 512
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 211
; LENGTH: 1574
; TYPE: PRT
; ORGANISM: Rattus norvegicus
; US-10-055-877-211

Query Match          29.3%; Score 76; DB 6; Length 1574;
Best Local Similarity 32.0%; Pred. No. 0.07;
Matches 16; Conservative 9; Mismatches 17; Indels 8; Gaps 2;

QY      1 KSCCRSTLGRNCYNLCRVGAQKLC---AGVCRCKLTSSG-----KCPTG 42
Db      1207 QACQPGTFGKDCENLCCQCFGETWACDPASGVCTCAAGYHGTGCLQRCPSG 1256

RESULT 3
US-10-453-372-880
; Sequence 880, Application US/10453372
; Publication No. US20060003323A1
; GENERAL INFORMATION:
; APPLICANT: Alsobrook, et al.
; TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHOD
; FILE REFERENCE: 21402-589 A
; CURRENT APPLICATION NUMBER: US/10/453,372
; CURRENT FILING DATE: 2003-06-03
; PRIOR APPLICATION NUMBER: 09/7893390
; PRIOR FILING DATE: 2001-02-23
; PRIOR APPLICATION NUMBER: 60/185967
; PRIOR FILING DATE: 2000-03-01
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```

; PRIOR APPLICATION NUMBER: 09/823187
; PRIOR FILING DATE: 2001-03-29
; PRIOR APPLICATION NUMBER: 60/195792
; PRIOR FILING DATE: 2000-03-10
; PRIOR APPLICATION NUMBER: 09/839446
; PRIOR FILING DATE: 2001-03-19
; PRIOR APPLICATION NUMBER: 60/199476
; PRIOR FILING DATE: 2000-03-25
; PRIOR APPLICATION NUMBER: 09/863776
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: 60/208263
; PRIOR FILING DATE: 2000-05-31
; PRIOR APPLICATION NUMBER: 09/939398
; PRIOR FILING DATE: 2001-08-24
; PRIOR APPLICATION NUMBER: 60/227800
; PRIOR FILING DATE: 2000-08-25
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 1609
; SOFTWARE: CuraSeq1stc version 0.1
; SEQ ID NO 880
; LENGTH: 1198
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-453-372-880

Query Match          26.8%; Score 69.5; DB 6; Length 1198;
Best Local Similarity 37.5%; Pred. No. 0.33;
Matches 18; Conservative 3; Mismatches 24; Indels 3; Gaps 2;

QY      1 KSCCRSTLGRNCYNLCRVR--GAQKLCAGVCRCKLTSSG-KCPTGFPK 45
Db      549 ESCPPTFGKNCSFSCSCQNGTCDSVTGACRCPPGVSGTNCBDCPK 596

RESULT 4
US-10-055-877-46
; Sequence 46, Application US/10055877
; Publication No. US20050288241A1
; GENERAL INFORMATION:
; APPLICANT: Decristofaro, Marc
; APPLICANT: Padigar, Muralidhara
; APPLICANT: Miller, Charles
; APPLICANT: Tchernev, Velizar
; APPLICANT: Zhong, Mei
; APPLICANT: Anderson, David
; APPLICANT: Ballinger, Robert
; APPLICANT: Gerlach, Valerie
; APPLICANT: Spytek, Kimberly
; APPLICANT: Ratelli, Luca
; APPLICANT: Kekuda, Ramesh
; APPLICANT: Guo, Xiaojia
; APPLICANT: Zerhusen, Bryan
; APPLICANT: Andrew, David
; APPLICANT: Mezes, Peter
; APPLICANT: Patturajan, Meera
; APPLICANT: Burgess, Catherine
; APPLICANT: Elsen, Andrew
; APPLICANT: Wolenc, Adam
; APPLICANT: Baumgartner, Jason
; APPLICANT: Shimkets, Richard
; APPLICANT: Gusev, Vladimir
; APPLICANT: Vernet, Corine
; APPLICANT: Taupier Jr., Raymond
; APPLICANT: Pena, Carol
; APPLICANT: Shenoy, Suresh
; APPLICANT: Li, Li
; APPLICANT: Casman, Stacie
; APPLICANT: Boldog, Ference
; TITLE OF INVENTION: Novel Polypeptides and Nucleic Acids Encoded Thereby
; FILE REFERENCE: 21402-251
; CURRENT APPLICATION NUMBER: US/10/055,877
; CURRENT FILING DATE: 2002-01-22
; PRIOR APPLICATION NUMBER: 60/262,892
```



```
FILE REFERENCE: 21402-589 A
; CURRENT APPLICATION NUMBER: US/10/453,372
; CURRENT FILING DATE: 2003-06-03
; PRIOR APPLICATION NUMBER: 09/789390
; PRIOR FILING DATE: 2001-02-23
; PRIOR APPLICATION NUMBER: 60/185967
; PRIOR FILING DATE: 2000-03-01
; PRIOR APPLICATION NUMBER: 09/823187
; PRIOR FILING DATE: 2001-03-29
; PRIOR APPLICATION NUMBER: 60/195792
; PRIOR FILING DATE: 2000-03-10
; PRIOR APPLICATION NUMBER: 09/839446
; PRIOR FILING DATE: 2001-03-19
; PRIOR APPLICATION NUMBER: 60/199476
; PRIOR FILING DATE: 2000-03-25
; PRIOR APPLICATION NUMBER: 09/863776
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: 60/208263
; PRIOR FILING DATE: 2000-05-31
; PRIOR APPLICATION NUMBER: 09/939398
; PRIOR FILING DATE: 2001-08-24
; PRIOR APPLICATION NUMBER: 60/227800
; PRIOR FILING DATE: 2000-08-25
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 1609
; SOFTWARE: Curaseq1st version 0.1
; SEQ ID NO 870
; LENGTH: 1404
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-453-372-870
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Query Match      26.8%; Score 69.5; DB 6; Length 1404;
Best Local Similarity 37.5%; Pred. No. 0.37;
Matches 18; Conservative 3; Mismatches 24; Indels 3; Gaps 2;
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QY      1 KSCCRSTLGRNCTNLGRVR--GAQKLCAGVCRCKLTSSG-KCPTGFPK 45
Db      555 ESCPDPDTFGKNCSPGSCQNGGTCDSVTGACRCPPGVSGTNCEDGCPK 602
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RESULT 10
US-10-055-877-48

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; Sequence 48, Application US/10055877
; Publication No. US20050288241A1
; GENERAL INFORMATION:
; APPLICANT: Decristofaro, Marc
; APPLICANT: Padigaru, Muralidhara
; APPLICANT: Miller, Charles
; APPLICANT: Tchervnev, Velizar
; APPLICANT: Zhong, Mei
; APPLICANT: Anderson, David
; APPLICANT: Ballinger, Robert
; APPLICANT: Gerlach, Valerie
; APPLICANT: Spytek, Kimberly
; APPLICANT: Ratelli, Luca
; APPLICANT: Kekuda, Ramesh
; APPLICANT: Guo, Xiaojia
; APPLICANT: Zerhusen, Bryan
; APPLICANT: Andrew, David
; APPLICANT: Mezes, Peter
; APPLICANT: Patturajan, Meera
; APPLICANT: Burgess, Catherine
; APPLICANT: Eilsen, Andrew
; APPLICANT: Wolenc, Adam
; APPLICANT: Baumgartner, Jason
; APPLICANT: Shinkets, Richard
; APPLICANT: Gusev, Vladimir
; APPLICANT: Vernet, Corine
; APPLICANT: Taupier Jr., Raymond
; APPLICANT: Pena, Carol
; APPLICANT: Shenoy, Suresh
; APPLICANT: Li, Li
```

```
; APPLICANT: Casman, Stacie
; APPLICANT: Boldog, Ference
; TITLE OF INVENTION: Novel Polypeptides and Nucleic Acids Encoded Thereby
; FILE REFERENCE: 21402-251
; CURRENT APPLICATION NUMBER: US/10/055,877
; PRIOR APPLICATION NUMBER: 2002-01-22
; PRIOR FILING DATE: 2001-01-19
; PRIOR APPLICATION NUMBER: 60/262,892
; PRIOR FILING DATE: 2001-01-23
; PRIOR APPLICATION NUMBER: 60/263,598
; PRIOR FILING DATE: 2001-01-24
; PRIOR APPLICATION NUMBER: 60/263,799
; PRIOR FILING DATE: 2001-01-24
; PRIOR APPLICATION NUMBER: 60/264,117
; PRIOR FILING DATE: 2001-01-25
; PRIOR APPLICATION NUMBER: 60/264,139
; PRIOR FILING DATE: 2001-01-25
; PRIOR APPLICATION NUMBER: 60/264,478
; PRIOR FILING DATE: 2001-01-26
; PRIOR APPLICATION NUMBER: 60/263,351
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: 60/272,870
; PRIOR FILING DATE: 2001-03-02
; PRIOR APPLICATION NUMBER: 60/275,990
; PRIOR FILING DATE: 2001-03-14
; PRIOR APPLICATION NUMBER: 60/275,927
; PRIOR FILING DATE: 2001-03-14
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 512
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 48
; LENGTH: 1450
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-055-877-48
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Query Match      26.8%; Score 69.5; DB 6; Length 1450;
Best Local Similarity 37.5%; Pred. No. 0.38;
Matches 18; Conservative 3; Mismatches 24; Indels 3; Gaps 2;
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QY      1 KSCCRSTLGRNCTNLGRVR--GAQKLCAGVCRCKLTSSG-KCPTGFPK 45
Db      549 ESCPDPDTFGKNCSPGSCQNGGTCDSVTGACRCPPGVSGTNCEDGCPK 596
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RESULT 11
US-10-453-372-874

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; Sequence 874, Application US/10453372
; Publication No. US2006000323A1
; GENERAL INFORMATION:
; APPLICANT: Alsobrook, et al.
; TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHOD
; FILE REFERENCE: 21402-589 A
; CURRENT APPLICATION NUMBER: US/10/453,372
; PRIOR FILING DATE: 2003-06-03
; PRIOR APPLICATION NUMBER: 09/789390
; PRIOR FILING DATE: 2001-02-23
; PRIOR APPLICATION NUMBER: 60/185967
; PRIOR FILING DATE: 2000-03-01
; PRIOR APPLICATION NUMBER: 09/823187
; PRIOR FILING DATE: 2001-03-29
; PRIOR APPLICATION NUMBER: 60/195792
; PRIOR FILING DATE: 2000-03-10
; PRIOR APPLICATION NUMBER: 09/839446
; PRIOR FILING DATE: 2001-03-19
; PRIOR APPLICATION NUMBER: 60/199476
; PRIOR FILING DATE: 2000-03-25
; PRIOR APPLICATION NUMBER: 09/863776
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: 60/208263
; PRIOR FILING DATE: 2000-05-31
; PRIOR APPLICATION NUMBER: 09/939398
; PRIOR FILING DATE: 2001-08-24
; PRIOR APPLICATION NUMBER: 60/227800
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; PRIOR FILING DATE: 2000-08-25
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 1609
; SOFTWARE: CuraseqList version 0.1
; SEQ ID NO 874
; LENGTH: 1450
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-453-372-874

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Query Match	26.8%	Score 69.5;	DB 6;	Length 1450;
Best Local Similarity	37.5%	Pred. No. 0.38;		
Matches 18; Conservative	3;	Mismatches 24;	Indels 3;	Gaps 2;

QY 1 KSCCRSTLGRNCYNLCRRV--GAQKLCAGVCRCRCLTSSG-KCPTGFPPK 45
 ::|||::|||:|||||
Db 549 ESCRPPDTFGKNCSFSCSCQNGGTCDSVTGACRCRPBGVSQTNCEDCGPK 596

RESULT 12
US-10-453

```

US-10-453-372-886
; Sequence 886, Application US/10453372
; Publication No. US20060003323A1
; GENERAL INFORMATION:
; APPLICANT: Alsobrook, et al.
; TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHOD
; FILE REFERENCE: 21402-589 A
; CURRENT APPLICATION NUMBER: US/10/453,372
; CURRENT FILING DATE: 2003-06-03
; PRIOR APPLICATION NUMBER: 09/789390
; PRIOR FILING DATE: 2001-02-23
; PRIOR APPLICATION NUMBER: 60/185967
; PRIOR FILING DATE: 2000-03-01
; PRIOR APPLICATION NUMBER: 09/823187
; PRIOR FILING DATE: 2001-03-29
; PRIOR APPLICATION NUMBER: 60/195792
; PRIOR FILING DATE: 2000-03-10
; PRIOR APPLICATION NUMBER: 09/839446
; PRIOR FILING DATE: 2001-03-19
; PRIOR APPLICATION NUMBER: 60/199476
; PRIOR FILING DATE: 2000-03-25
; PRIOR APPLICATION NUMBER: 09/863776
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: 60/208263
; PRIOR FILING DATE: 2000-05-31
; PRIOR APPLICATION NUMBER: 09/939398
; PRIOR FILING DATE: 2001-08-24
; PRIOR APPLICATION NUMBER: 60/227800
; PRIOR FILING DATE: 2000-08-25
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 1609
; SOFTWARE: CuroSeqList version 0.1
; SEQ ID NO 886
; LENGTH: 1547
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-453-372-886

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Query Match	26.8%;	Score 69.5;	DB 6;	Length 1547;
Best Local Similarity	37.5%;	Pred. NO. 0.4;		
Matches 18; Conservative	3;	Mismatches 24;	Indels 3;	Gaps 22;

Oy 1 KSCCRSTLGRNCYNLCRV--GAQLCAGVCRCKLTSSG-KCPGTPEPK 45
 :||| |:||| : ||| ||| |||
Db 529 ESCPPDTFGKNCFSQSCQNGTCDSVTGACRCRPGVSGTNCEDGCEPK 576

RESULT 13

US-10-055-877-54
; Sequence 54, Application US/10055877
; Publication No. US20050288241A1
; GENERAL INFORMATION:
; APPLICANT: Decristofaro, Marc

```

: APPLICANT: Padigarv, Muralidhara
: APPLICANT: Miller, Charles
: APPLICANT: Tchernev, Velizar
: APPLICANT: Zhong, Mei
: APPLICANT: Anderson, David
: APPLICANT: Ballinger, Robert
: APPLICANT: Gerlach, Valerie
: APPLICANT: Spytek, Kimberly
: APPLICANT: Ratelli, Luca
: APPLICANT: Kekuda, Ramesh
: APPLICANT: Guo, Xiaojia
: APPLICANT: zerhusen, Bryan
: APPLICANT: Andrew, David
: APPLICANT: Mezes, Peter
: APPLICANT: Patturajan, Meera
: APPLICANT: Burgess, Catherine
: APPLICANT: Eissen, Andrew
: APPLICANT: Wolenc, Adam
: APPLICANT: Baumgartner, Jason
: APPLICANT: Shimkets, Richard
: APPLICANT: Gusev, Vladimir
: APPLICANT: Vernet, Corine
: APPLICANT: Taupier Jr., Raymond
: APPLICANT: Pena, Carol
: APPLICANT: Shenoy, Sureesh
: APPLICANT: Li, Li
: APPLICANT: Casman, Stacie
: APPLICANT: Boldog, Ference
: TITLE OF INVENTION: Novel Polypeptides and Nucleic Acids Encoded Thereby
: FILE REFERENCE: 21402-251
: CURRENT APPLICATION NUMBER: US/10/055,877
: PRIOR FILING DATE: 2002-01-22
: PRIOR APPLICATION NUMBER: 60/262,892
: PRIOR FILING DATE: 2001-01-19
: PRIOR APPLICATION NUMBER: 60/263,598
: PRIOR FILING DATE: 2001-01-23
: PRIOR APPLICATION NUMBER: 60/263,799
: PRIOR FILING DATE: 2001-01-24
: PRIOR APPLICATION NUMBER: 60/264,117
: PRIOR FILING DATE: 2001-01-25
: PRIOR APPLICATION NUMBER: 60/264,139
: PRIOR FILING DATE: 2001-01-25
: PRIOR APPLICATION NUMBER: 60/264,478
: PRIOR FILING DATE: 2001-01-26
: PRIOR APPLICATION NUMBER: 60/263,351
: PRIOR FILING DATE: 2001-01-30
: PRIOR APPLICATION NUMBER: 60/272,870
: PRIOR FILING DATE: 2001-03-02
: PRIOR APPLICATION NUMBER: 60/275,990
: PRIOR FILING DATE: 2001-03-14
: PRIOR APPLICATION NUMBER: 60/275,927
: Remaining Prior Application data removed - See File Wrapper or PALM.
: NUMBER OF SEQ ID NOS: 512
: SOFTWARE: PatentIn Ver. 2.1
: SEQ ID NO 54
: LENGTH: 1577
: TYPE: PRI
: ORGANISM: Homo sapiens
US-10-055-877-54

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Query Match	26.8%	Score 69.5;	DB 6;	Length 1577;
Best Local Similarity	37.5%;	Pred. No. 0.41;		
Matches 18; Conservative	3;	Mismatches 24;	Indels 3;	Gaps 2;

QY 1 KSCGRSTLGRNCYNLCRRV--GAQKLCAGVCRCRLTSSG-KCPTGFPPK 45
 :|||:|||:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|
Db 559 ESCPPTFGKNCSFSCSCQNGGTCDSVTGACRCPGVSGTNCEDGCPR 606

RESULT 14

US-10-453-372-882
; Sequence 882, Application US/10453372

Publication No. US20060003323A1
GENERAL INFORMATION:
APPLICANT: Alsbrook, et al.
TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHOD
FILE REFERENCE: 21402-589 A
CURRENT APPLICATION NUMBER: US/10/453,372
CURRENT FILING DATE: 2003-06-03
PRIOR APPLICATION NUMBER: 09/789390
PRIOR FILING DATE: 2001-02-23
PRIOR APPLICATION NUMBER: 60/185967
PRIOR FILING DATE: 2000-03-01
PRIOR APPLICATION NUMBER: 09/823187
PRIOR FILING DATE: 2001-03-29
PRIOR APPLICATION NUMBER: 60/195792
PRIOR FILING DATE: 2000-03-10
PRIOR APPLICATION NUMBER: 09/839446
PRIOR FILING DATE: 2001-03-19
PRIOR APPLICATION NUMBER: 60/199476
PRIOR FILING DATE: 2000-03-25
PRIOR APPLICATION NUMBER: 09/863776
PRIOR FILING DATE: 2001-05-23
PRIOR APPLICATION NUMBER: 60/208263
PRIOR FILING DATE: 2000-05-31
PRIOR APPLICATION NUMBER: 09/939398
PRIOR FILING DATE: 2001-08-24
PRIOR APPLICATION NUMBER: 60/227800
PRIOR FILING DATE: 2000-08-25
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 1609
SOFTWARE: Curaseq1st version 0.1
SEQ ID NO 882
LENGTH: 1577
TYPE: PRT
ORGANISM: Homo sapiens
US-10-453-372-882

Query Match 26.8%; Score 69.5; DB 6; Length 1577;
Best Local Similarity 37.5%; Pred. No. 0.41;
Matches 18; Conservative 3; Mismatches 24; Indels 3; Gaps 2;

Qy 1 KSCCRSTLGRNCRV--GAQKLCAGVCRCKLTSSG-KCPTGFPK 45
Db 559 ESCPPDTFGKNCSPSCQNGTCDSVTGACRCPPGVSGTNCEDGCPK 606

RESULT 15
US-10-453-372-884
Sequence 884, Application US/10453372
Publication No. US20060003323A1
GENERAL INFORMATION:
APPLICANT: Alsbrook, et al.
TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHOD
FILE REFERENCE: 21402-589 A
CURRENT APPLICATION NUMBER: US/10/453,372
CURRENT FILING DATE: 2003-06-03
PRIOR APPLICATION NUMBER: 09/789390
PRIOR FILING DATE: 2001-02-23
PRIOR APPLICATION NUMBER: 60/185967
PRIOR FILING DATE: 2000-03-01
PRIOR APPLICATION NUMBER: 09/823187
PRIOR FILING DATE: 2001-03-29
PRIOR APPLICATION NUMBER: 60/195792
PRIOR FILING DATE: 2000-03-10
PRIOR APPLICATION NUMBER: 09/839446
PRIOR FILING DATE: 2001-03-19
PRIOR APPLICATION NUMBER: 60/199476
PRIOR FILING DATE: 2000-03-25
PRIOR APPLICATION NUMBER: 09/863776
PRIOR FILING DATE: 2001-05-23
PRIOR APPLICATION NUMBER: 60/208263
PRIOR FILING DATE: 2000-05-31
PRIOR APPLICATION NUMBER: 09/939398
PRIOR FILING DATE: 2001-08-24

PRIOR APPLICATION NUMBER: 60/227800
PRIOR FILING DATE: 2000-08-25
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 1609
SOFTWARE: Curaseq1st version 0.1
SEQ ID NO 884
LENGTH: 1577
TYPE: PRT
ORGANISM: Homo sapiens
US-10-453-372-884

Query Match 26.8%; Score 69.5; DB 6; Length 1577;
Best Local Similarity 37.5%; Pred. No. 0.41;
Matches 18; Conservative 3; Mismatches 24; Indels 3; Gaps 2;

Qy 1 KSCCRSTLGRNCRV--GAQKLCAGVCRCKLTSSG-KCPTGFPK 45
Db 559 ESCPPDTFGKNCSPSCQNGTCDSVTGACRCPPGVSGTNCEDGCPK 606

Search completed: January 13, 2006, 15:04:18
Job time : 9 secs

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